

ABSTRACT

A brush seal device is mounted to one of two parts that move relative to each other with a gap therebetween, and seals the gap between the parts. Even when a brush seal abuts on the other part, it is deformed accordingly. As a result, wear of the brush seal is prevented. The brush seal device includes: a brush seal formed from bristles arranged into a wall shape, and including an attachment portion formed by connecting the bristles together at one end, and a free end face facing an opposing surface of the other part; a back plate connected to the attachment portion of the brush seal, and including a support surface for supporting a side surface of the brush seal; and a retaining plate for retaining the attachment portion of the brush seal between the retaining plate and the back plate. The support surface of the back plate and an opposing surface of the brush seal are disposed at a distance from each other. The bristle of the brush seal has a diameter of 0.15 mm to 0.008 mm.

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